

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**Final**

**AIR QUALITY PERMIT  
Issued under 401 KAR 52:020**

**Permittee Name:** TG Kentucky, LLC  
**Mailing Address:** 633 East Main Street Lebanon, KY 40033

**Source Name:** TG Kentucky, LLC  
**Mailing Address:** Same as above

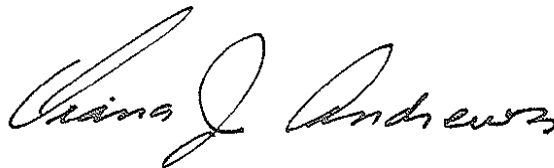
**Source Location:** 633 East Main Street Lebanon, KY 40033

**Permit Number:** V-05-001(Revision 1)  
**Source A. I. #:** 2910  
**Activity #:** APE20060001  
**Review Type:** Title V, Minor Revision  
**Source ID #:** 21-155-00026

**Regional Office:** Bowling Green Regional Office  
1508 Westen Avenue  
Bowling Green, KY 42104  
(502) 746-7475

**County:** Marion

**Application**  
**Complete Date:** April 20 2006  
**Issuance Date:** February 3, 2006  
**Revision Date:** July 28, 2006  
**Expiration Date:** February 3, 2011



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**John S. Lyons, Director  
Division for Air Quality**

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Rev.#	Permit Type	Complete Date	Issuance Date	Summary of Action
	Initial Issuance	June 20, 2003	February 3, 06	Initial Issuance
1	Minor	April 20, 2006	July 28, 2006	1. Moving 4 dryers from Section C (page # 10 of 24 to Section B (7 of 24) 2. Adding HAP emission limits for paint line C Section D (page 11 of 24) 3. Compliance Schedule (page 24 of 24) for applicability of 40 CFR 63 Subpart PPPP

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **01 (01, 02, 03) Weighing, Kneading, and Milling**

#### **Description:**

Raw material weighing, kneading, and milling

Control equipment: baghouses, control efficiency 90%

Construction date: March 2000

#### **Applicable Regulations:**

401 KAR 59:010, New Process Operations, applies to each affected facility commenced on or after July 2, 1975, with respect to particulate emissions.

401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances, applies to each affected facility that emits or may emit potentially hazardous matter or toxic substances.

#### **1. Operating Limitations:**

- a) The affected facilities shall be operated so as not to exceed the emission limitations in Section B.2.
- b) The baghouses shall be functional during the mixing of raw materials, at all times of operation.

#### **2. Emission Limitations:**

- a) Pursuant to 401 KAR 59:010, particulate emissions shall not exceed 2.34 lbs/hr.

##### **Compliance Demonstration Method:**

Compliance with the mass emission limit is assumed when the baghouses control the emissions of particulate matter and are operated properly in accordance with manufacturer's specifications and/or standard operating procedures, as approved by the Division.

- b) Pursuant to 401 KAR 59:010, opacity of visible emissions shall not equal or exceed 20% opacity.

##### **Compliance Demonstration Method:**

The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

- c) Pursuant to 401 KAR 63:020, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals, and plants.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)****Compliance Demonstration Method:**

The source is in compliance with 401 KAR 63:020, based on the emission rates of toxics given in the application submitted by the permittee. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, Section 3(1)(a), along with modeling, to show that the facility will remain in compliance with 401 KAR 63:020.

d) See Section D for VOC/HAP limits.

**3. Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, section 4.

**4. Monitoring Requirements:**

- a) The permittee shall maintain, calibrate, and operate, according to manufacturer specifications, a monitoring device for the measurement of the differential static pressure across the baghouses. A daily log of the pressure drop shall be maintained.
- b) The permittee shall monitor and record the baffle settings of the baghouses, on a daily basis.
- c) See Compliance Demonstration Method under Section B.2 (b).

**5. Specific Record Keeping Requirements:**

- a) The permittee shall maintain records of the following information for the baghouses:
  - i. The design and/or manufacturer's specifications.
  - ii. The operational procedures and preventive maintenance records.
  - iii. The permittee shall note if the baghouses are not in operation during the mixing of raw materials, for any given time period.
  - iv. The daily logs of the pressure drop and baffle settings.
  - v. With each reading or observation above, note the date and identity of the personnel making the record.
- b) Actual production shall be determined on a monthly basis. The maximum quantity of compound processed shall be calculated by dividing the monthly inventory records by the monthly hours of operation. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.
- c) The permittee shall maintain records of the items listed in Section B.2 (b) and make them available to Division personnel upon request.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**6. Specific Reporting Requirements:**

- a) The permittee shall maintain a copy of the control device inspection and repair log for those times when corrective actions are required, either due to opacity exceedance, as noted in Section B.2 (b), or due to a baghouse malfunction, as required by Section B.5 (a).
- b) The permittee shall submit the records of the actual production, as required by Section B.5 (b), on a quarterly basis to the Division's Bowling Green Regional Office.
- c) See Sections F5 and F6.

**7. Specific Control Equipment Operating Conditions:**

NA

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **04 (04) Rubber Molding**

**Description:**

Rubber extrusion and molding.

Construction date: May 2000

### **05 (05) Rubber Hose Printing**

**Description:**

Ink is utilized in a rotogravure printer to label hoses.

Construction date: June 2000

### **06 (06)**

#### **Rubber Hose Vulcanization**

**Description:**

Rubber Hose Vulcanization (Autoclave Curing)-rubber hoses are placed on a mandril and heated with steam to permanently shape them. Glycerin and other materials are used to make it easier for the hoses to slide onto the mandrils.

Construction date: May 2000

### **09 (09) Plastic Molding & Injection**

**Description:**

Various polymers such as nylon, polypropylene, and polyvinyl chloride, are extruded and molded into plastic parts for auto interiors and exteriors.

75 plastic molding machines.

Construction date: April 1998

39 machines to be installed by 2007, for a total of 114 plastic molding machines.

### **11 (11) Adhesive (Primer) Application**

**Description:**

Primer is applied to plastic parts. MEK and other solvents are used for cleaning of supply lines.

Construction date: April 1998

### **12 (12) IPA Parts Cleaning**

**Description:**

Isopropyl alcohol and/or other solvents are used to clean parts prior to painting.

Construction date: April 1998

### **Applicable Regulations:**

401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances, applies to each affected facility that emits or may emit potentially hazardous matter or toxic substances.

### **1. Operating Limitations:**

None

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**2. Emission Limitations:**

- a) Pursuant to 401 KAR 63:020, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals, and plants.

**Compliance Demonstration Method:**

The source is in compliance with 401 KAR 63:020, based on the emission rates of toxics given in the application submitted by the permittee. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, Section 3(1)(a), along with modeling, to show that the facility will remain in compliance with 401 KAR 63:020.

- b) See Section D for VOC/HAP limits

**3. Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 4.

**4. Monitoring Requirements:**

See Section D.

**5. Specific Record Keeping Requirements:**

See Section D.

**6. Specific Reporting Requirements:**

- a) See Sections F5 and F6.
- b) See Section D.

**7. Specific Control Equipment Operating Conditions:**

None



## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **13 (13) Line A Paint Booths**

#### **Description:**

Parts are spray coated in 3 robotic paint booths-A1, A2, and A3-using HVLP spray guns.

One Curing Oven, Natural Gas, 2.5 MMbtu/hr

Control equipment: Each booth is equipped with a water wall, 90% control efficiency.

### **14 (14) Line B Paint Booth**

#### **Description:**

Parts are spray coated in an automated booth, using air guns.

One Curing Oven, Natural Gas, 2.5 MMbtu/hr

Construction date: April 1998

Control equipment: Water wall, 90% control efficiency.

### **15 (15) Line C Paint Booth**

#### **Description:**

Parts are spray coated by two (2) independent, automated lines within a single spray booth. Each automated line has spray coating nozzles, a vertical water wall control device, and three (3) robots for applying primer, base coat, and clear coat. A maximum of one spray nozzle per robot is operated at any given time.

Two Curing Ovens, Natural Gas, 3.2 MMbtu/hr each

Construction date: December 2000

Control equipment: Water wall, 90% control efficiency.

#### **Applicable Regulations:**

401 KAR 59:010, New Process Operations, applies to each affected facility commenced on or after July 2, 1975, with respect to particulate emissions.

401 KAR 63:020, Potentially Hazardous Matter or Toxic Substances, applies to each affected facility that emits or may emit potentially hazardous matter or toxic substances.

#### **1. Operating Limitations:**

- a) The affected facilities shall be operated so as not to exceed the emission limitations in Section B.2.
- b) The water walls shall be in place and functional at all times of operation of each spray booth.

#### **2. Emission Limitations:**

- a) Pursuant to 401 KAR 59:010, particulate emissions, from each spray booth, shall not exceed 2.34 lb/hr.

##### **Compliance Demonstration Method:**

- i. Compliance with the mass emission limitation is assumed when the water walls are in operation, according to manufacturer's recommendations.
- ii. See Monitoring and Record Keeping Requirements.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- b) Pursuant to 401 KAR 59:010, opacity of visible emissions shall not equal or exceed 20% opacity.

**Compliance Demonstration Method:**

The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

- c) Pursuant to 401 KAR 63:020, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals, and plants.

**Compliance Demonstration Method:**

The source is in compliance with 401 KAR 63:020, based on the emission rates of toxics given in the application submitted by the permittee. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, Section 3(1)(a), along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

- d) See Section D for VOC/HAP limits.

**3. Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 4.

**4. Monitoring Requirements:**

- a) See compliance demonstration method under Section B.2 (b).  
b) The permittee shall make a verification of the uniformity of the water sheet across the surface of the water wall, on a daily basis.

**5. Specific Record Keeping Requirements:**

- a) The permittee shall maintain records of the following information for the spray booth particulate controls:
- The design and/or manufacturer's specifications.
  - The operational procedures and preventive maintenance records.
  - The permittee shall note if any water wall is not in operation during a given time period.
  - If the flow rate of the water is not within the manufacturer's recommended range, an inspection of the control device shall be made, corrective action shall be taken, and a log of these activities shall be maintained.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

- v. With each reading or observation above, note the date and identity of the personnel making the record.
- b) See Section D.

**6. Specific Reporting Requirements:**

- a) The permittee shall maintain a copy of the control device inspection and repair log for those times when corrective actions are required, either due to opacity exceedance as noted in Section B.2 (b) or due to a water wall flow rate problem, noted as required by Section B.5 (a)(iv).
- b) See Sections F5 and F6.

**7. Specific Control Equipment Operating Conditions:**

The flow rate for each water wall shall be maintained within the manufacturer's recommended limits.

**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Rubber hose extrusion	401 KAR 59:010
2. Rubber molded parts surface treatment	401 KAR 59:010
3. End fitting assembly line (crimping)	None
4. 4.5 mmBTU/hr boiler using natural gas	401 KAR 59:015
5. Assembly (including heated impressions)	None
6. Seghers Fluid Clean system	401 KAR 59:010
7. 5 hot plate welding machines-1,000 lb/hr total plastic processed for all units.	None
8. 4.5 mmBTU/hr boiler using natural gas	None
10. Water-based adhesive mixing and application with 220 lb/batch and a minimum mixing time per batch of 24 hours and a maximum batch utilization of 1 batch every week.	None
11. Weather strip and silicone coating with an estimated throughput of 594 lb/hr.	None
12. Blast cabinet with an estimated 3.46 lb/hr of shot consumed and a cyclone with an assumed control efficiency of 99.9%	401 KAR 59:010
13. 2 platen presses in QC with a total estimated throughput of 20 pounds of rubber per hour.	None

## SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

**Synthetic minor limits** have been voluntarily accepted to preclude applicability of 401 KAR 51:017, Prevention of Significant Deterioration of Air Quality. Exceedance of the major source emission level, as defined in 401 KAR 51:017, will trigger additional requirements.

Additionally, in order to preclude applicability of 40 CFR 63 Subpart PPPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, **HAP emission limits** have been accepted. The compliance plan for achieving the HAP emission limits are stipulated in Section I of this permit.

### 1. **Operating Limitations:**

Raw material use shall be limited so that VOC/HAP emissions, calculated using the compliance demonstration method from Section D.2, from the source during any 12 consecutive month period, do not exceed those specified in Section D.2.

### 2. **Emission Limitations:**

- a) Plantwide VOC emissions, including those from insignificant activities, shall be less than or equal to 225 tons, for any 12 consecutive month period, as demonstrated on a monthly basis.
- b) Individual HAP emissions, including those from insignificant activities, shall not exceed 9.5 tons during any consecutive 12-month period. The first 12 month compliance demonstration begins on April 1, 2007.
- c) Total combined HAP emissions, including those from insignificant activities, shall not exceed 22.5 tons during any consecutive 12-month period. The first 12 month compliance demonstration begins on April 1, 2007.

### **Compliance Demonstration:**

Compliance can be demonstrated through use of control efficiencies, emission factors, and test results, which have been approved by the Division.

VOC/HAP emitted (lb) =  $\Sigma$  [EP 01 weighing, kneading, and milling VOC/HAP] +  $\Sigma$  [EP04 rubber molding VOC/HAP] +  $\Sigma$  [EP 05 printing VOC/HAP] +  $\Sigma$  [EP 06 rubber hose vulcanization VOC/HAP] +  $\Sigma$  [EP 06 other VOC/HAP] +  $\Sigma$  [EP 09 plastic and rubber parts molding and extrusion VOC/HAP] +  $\Sigma$  [EP 11 primer application and clean up VOC/HAP] +  $\Sigma$  [EP12 cleaning VOC/HAP] +  $\Sigma$  [painting and clean up VOC/HAP] + VOC/HAP emissions assumed from rubber hose extrusion, Seghers Fluid Clean system paint removal, natural gas combustion, water based adhesive mixing and application, weather strip and silicone coating, and platen press operation (based on potential emissions)

- d) Paint Line C individual and total HAP emissions shall not exceed 19,000 lbs and 47,500 lbs, respectively (this includes HAPs in paints, catalysts, solvents and cleaning solutions) during any consecutive 12 month period. This limit applies to this emission point from the Issuance Date of final permit and until April 1, 2007 at which time the plant wide limits listed in Section D(2)(b) & (c) become fully implemented.

**SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)****Compliance Demonstration:**

For individual HAP usage, the following formula shall be used:

$$\text{HAP use (lbs)} = \sum [\text{gallons of paint} \times \text{HAP content of paint (lbs/gal)}] + \sum [\text{gallons of catalyst} \times \text{HAP content of catalyst (lbs/gal)}] + \sum [\text{gallons of solvent} \times \text{HAP content of solvent (lbs/gal)}] + \sum [\text{gallons of cleaning solution} \times \text{HAP content of cleaning solution (lbs/gal)}]$$

For total combined HAPs use the following formula:

$$\text{Total combined HAPs used (lbs)} = \sum [\text{lbs of each HAP used}]$$

**3. Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 4.

**4. Monitoring Requirements:**

NA

**5. Specific Record Keeping Requirements:**

VOC/HAP emission limitations require the following to be recorded on a monthly basis:

- a) The usage, in pounds, of each VOC/HAP containing material at each emission point.
- b) The VOC/HAP weight percentage or the gallons and the VOC/HAP content (lb/gal) of each coating and of each cleaning solution used at emission points 13, 14, and 15.
- c) The monthly VOC/HAP emissions calculated using the compliance demonstration method in Section D.1, Emission Limitations.
- d) Total VOC/HAP emissions for each 12 consecutive month period.
- e) For the issuance of final permit through April 1, 2007, the total combined HAPs usage (in lbs) at Paint Line C shall be calculated and recorded for each consecutive 12 month period for which data is available.

**6. Specific Reporting Requirements:**

VOC/HAP limitations require the following to be reported quarterly. These reports shall be certified by a responsible official and shall be delivered via electronic media, such as fax or email, or shall be mailed to the Division's Bowling Green Regional Office and postmarked within 30 days of the end of each quarter. These reports are due on January 30<sup>th</sup>, April 30<sup>th</sup>, July 30<sup>th</sup>, and October 30<sup>th</sup>, of each year. A courier may also deliver these reports as long as the reports are stamped received as indicated above. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate, and complete.

- a) Any deviations from requirements in this section shall be reported.
- b) The monthly VOC/HAP emission calculations in each quarter shall be reported.
- c) The total VOC/HAP emissions for each 12-month period ending in the quarter shall be reported.

**7. Specific Control Equipment Operating Conditions:**

NA

## **SECTION E - CONTROL EQUIPMENT CONDITIONS**

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the cabinet which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
2. Pursuant to 401 KAR 50:012, Section 1(1), in the absence of a specific regulatory standard, all air contaminant sources shall as a minimum apply control procedures that are reasonable, available, and practical.

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS**

1. Pursuant to Section 1b (IV) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place as defined in this permit, and time of sampling or measurements;
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1) h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.  
Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].



## **SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

6. The semi-annual reports are due by January 30th and July 30th of each year. A responsible official, pursuant to 401 KAR 52:020, Section 23, shall certify all reports. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6 [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period.
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

## **SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality  
Bowling Green Regional Office  
1508 Westen Avenue  
Bowling Green, KY 42104

U.S. EPA Region IV  
Air Enforcement Branch  
Atlanta Federal Center  
61 Forsyth Street  
Atlanta, GA 30303-8960

Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

**SECTION G - GENERAL PROVISIONS****(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
  - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

## SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit that becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

## **SECTION G - GENERAL PROVISIONS (CONTINUED)**

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
  - a. Applicable requirements that are included and specifically identified in the permit and
  - b. Non-applicable requirements expressly identified in this permit.

### **(b) Permit Expiration and Reapplication Requirements**

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

### **(c) Permit Revisions**

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

## SECTION G - GENERAL PROVISIONS (CONTINUED)

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

**Emission Point 09: 39 plastic and rubber molding machines to be installed by 2007.**

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
  - a. The date when construction commenced.
  - b. The date of start-up of the affected facilities listed in this permit.
  - c. The date when the maximum production rate specified in the permit application was achieved.
3. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. This permit does not grant operational or final permit approval until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.
5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.
6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

## **SECTION G - GENERAL PROVISIONS (CONTINUED)**

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of missions that exceeded the emissions standards or other requirements in the permit; and
  - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
  - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f) 1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

## SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 3346  
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVAC's) in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the record keeping requirements pursuant to 40 CFR 82.166.
  - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.



**SECTION H - ALTERNATE OPERATING SCENARIOS**  
NA

## **SECTION I - COMPLIANCE SCHEDULE**

The permittee shall achieve the HAP emissions limits defined on Section D of this permit through add-on emission control systems and/or reformulation of coatings. The key HAP emitting sources for this control plan are the paint lines and the rubber vulcanization (autoclave curing ovens). The compliance schedule is as follows:

- |  |                   |
|--|-------------------|
| 1. Submit Construction Permit Application to DAQ | June 30, 2006     |
| 2. Final select vendors                          | June 30, 2006     |
| 3. Complete Installation of control systems      | December 5, 2006  |
| 4. Complete shakedown                            | February 20, 2007 |
| 5. Perform compliance test by                    | March 21, 2007    |
| 6. Submit Test report to DAQ by                  | April 21, 2007    |